

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	652	capacit\$4 same touch\$4 same pad\$4 and matrix	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:39
L2	132	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:39
L3	97	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:40
L4	30	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1 and non-conduct\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:40
L5	76	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1 and ground\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:55
L6	29	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 and finger\$1 and ground\$4 and copper	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 09:55
L7	145	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:04
L8	29	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls. and comb\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:17
L9	140	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls. and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:17

L10	29	capacit\$4 same touch\$4 same pad\$4 and matrix and 345/173.ccls. and comb\$3 and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:18
L11	26	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 same (structure\$4 or arrange\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:35
L12	26	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 same (structure\$4 or arrange\$4 or organiz\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:35
L13	1	capacit\$4 same touch\$4 same pad\$4 and matrix and comb\$3 same (structure\$4 or arrange\$4 or organiz\$4) and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:36
L14	12	capacit\$4 same touch\$4 same pad\$4 and comb\$3 same (structure\$4 or arrange\$4 or organiz\$4) and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 10:36
L15	4	capacit\$4 same touch\$4 same pad\$4 and galvanic same isolat\$4 and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 11:20
L16	7	matrix and galvanic same isolat\$4 and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 11:52
L17	1	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:15
L18	29	Marten same Victor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:16

L19	9	Marten same Victor and "345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:16
L20	6	Marten same Victor and capacitive same touch same pad	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:17
L21	3	Marten same Victor and capacitive same touch same pad and galvanic same isolation	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:17
L22	98740	"345"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:18
L23	14	"345"/\$.ccls. and galvanic same isolation	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:18
L24	1	"345"/\$.ccls. and galvanic same isolation and comb same finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:19
L25	0	("2008/0150906").URPN.	USPAT	OR	OFF	2008/11/29 12:19
L26	0	("2008/0150905").URPN.	USPAT	OR	OFF	2008/11/29 12:20
L27	0	("2008/0100587").URPN.	USPAT	OR	OFF	2008/11/29 12:20
L28	0	("2008/0088594").URPN.	USPAT	OR	OFF	2008/11/29 12:20
L29	0	("2008/0012832").URPN.	USPAT	OR	OFF	2008/11/29 12:20
L30	0	("2008/0007539").URPN.	USPAT	OR	OFF	2008/11/29 12:20
L31	0	("2008/0007534").URPN.	USPAT	OR	OFF	2008/11/29 12:21
L32	0	("2008/0001926").URPN.	USPAT	OR	OFF	2008/11/29 12:21
L33	0	("2007/0296709").URPN.	USPAT	OR	OFF	2008/11/29 12:21
L34	0	("2007/0291009").URPN.	USPAT	OR	OFF	2008/11/29 12:21

L35	0	("2007/0273660").URPN.	USPAT	OR	OFF	2008/11/29 12:21
L36	0	("2007/0273659").URPN.	USPAT	OR	OFF	2008/11/29 12:21
L37	0	("2007/0273659").URPN.	USPAT	OR	OFF	2008/11/29 12:21
L38	0	("2007/0268265").URPN.	USPAT	OR	OFF	2008/11/29 12:22
L39	0	("2007/0262963").URPN.	USPAT	OR	OFF	2008/11/29 12:22
L40	0	("2007/0262962").URPN.	USPAT	OR	OFF	2008/11/29 12:22
L41	0	("2007/0229468").URPN.	USPAT	OR	OFF	2008/11/29 12:22
L42	0	("2007/0229466").URPN.	USPAT	OR	OFF	2008/11/29 12:22
L43	0	("2007/0085838").URPN.	USPAT	OR	OFF	2008/11/29 12:22
L44	0	("2007/0085837").URPN.	USPAT	OR	OFF	2008/11/29 12:23
L45	0	("2007/0046639").URPN.	USPAT	OR	OFF	2008/11/29 12:23
L46	0	("2005/0146510").URPN.	USPAT	OR	OFF	2008/11/29 12:23
L47	1	("2005/0083307").URPN.	USPAT	OR	OFF	2008/11/29 12:23
L48	7	("2003/0016211").URPN.	USPAT	OR	OFF	2008/11/29 12:23
L49	5	("20050041002" "4954673" "6356451" "6501528" "6751898"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:24
L50	0	("7295189").URPN.	USPAT	OR	OFF	2008/11/29 12:24
L51	14	("3668467" "4649323" "4924151" "4939428" "5191265" "5235217" "5248919" "5530322" "5694154" "5719450" "5796183" "5909211" "6004049" "6262717"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:24
L52	7	("6608617").URPN.	USPAT	OR	OFF	2008/11/29 12:24

L53	28	("3886311" "4071691" "4103252" "4179723" "4246452" "4265059" "4476463" "4495485" "4550221" "4587378" "4639720" "4672154" "4680430" "4736191" "4740781" "4743895" "4817043" "5245321" "5271669" "5305017" "5327161" "5457636" "5481250" "5572573" "5717433" "5730602" "5737729" "5748185"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:24
L54	38	("6262717").URPN.	USPAT	OR	OFF	2008/11/29 12:25
L55	12	("3761877" "3772685" "3832693" "3990070" "4058849" "4125873" "4190833" "4363029" "4639720" "4814760" "4839634" "4841290"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:25
L56	105	("5194852").URPN.	USPAT	OR	OFF	2008/11/29 12:25
L57	4	("3492440" "3886539" "4121204").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:25
L58	25	("4204204").URPN.	USPAT	OR	OFF	2008/11/29 12:26
L59	0	("2005/0083307").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:26
L60	0	("2003/0016211").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:26

L61	0	("20050041002" "4954673" "6356451" "6501528" "6751898"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:27
L62	0	("3668467" "4649323" "4924151" "4939428" "5191265" "5235217" "5248919" "5530322" "5694154" "5719450" "5796183" "5909211" "6004049" "6262717"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:27
L63	0	("6608617").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:27
L64	0	("3886311" "4071691" "4103252" "4179723" "4246452" "4265059" "4476463" "4495485" "4550221" "4587378" "4639720" "4672154" "4680430" "4736191" "4740781" "4743895" "4817043" "5245321" "5271669" "5305017" "5327161" "5457636" "5481250" "5572573" "5717433" "5730602" "5737729" "5748185"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:27

		same isolat\$4				
L65	0	("6262717").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:28
L66	0	("3761877" "3772685" "3832693" "3990070" "4058849" "4125873" "4190833" "4363029" "4639720" "4814760" "4839634" "4841290").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:28
L67	0	("5194852").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:28
L68	0	("3492440" "3886539" "4121204").PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:29
L69	0	("4204204").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	USPAT	OR	OFF	2008/11/29 12:29
L70	2	("20030052867" "6677670").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:30

L71	0	("7151227").URPN.	USPAT	OR	OFF	2008/11/29 12:30
L72	9	("20020067615" "20040080486" "20040238726" "4567480" "5886687" "5942733" "6054979" "6204839" "6611093"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:30
L73	1	("7176885").URPN.	USPAT	OR	OFF	2008/11/29 12:30
L74	34	("20010006006" "20020050983" "20030066692" "20030217873" "20050134574" "4317227" "4592034" "4644100" "4880665" "5059959" "5194852" "5404458" "5412189" "5591945" "5628031" "5638093" "5691959" "5717432" "5856820" "5986224" "6161434" "6167165" "6392167" "6404353" "6535147" "6549193" "6555235" "6723929" "6724373" "6738051" "6741237" "6922642" "7049960" "7116315").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:32
L75	0	("7411581").URPN.	USPAT	OR	OFF	2008/11/29 12:32
L76	5	("5337151" "6392870" "6476733" "6614364" "6886263").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:32
L77	0	("7423634").URPN.	USPAT	OR	OFF	2008/11/29 12:32
L78	1	("2004/0090417").URPN.	USPAT	OR	OFF	2008/11/29 12:33
L79	1	("2004/0119688").URPN.	USPAT	OR	OFF	2008/11/29 12:33
L80	0	("2005/0083313").URPN.	USPAT	OR	OFF	2008/11/29 12:33
L81	0	("2006/0114241").URPN.	USPAT	OR	OFF	2008/11/29 12:34
L82	0	("2008/0100587").URPN.	USPAT	OR	OFF	2008/11/29 12:34
L83	0	("2008/0106528").URPN.	USPAT	OR	OFF	2008/11/29 12:34

L84	0	("2008/0231601").URPN.	USPAT	OR	OFF	2008/11/29 12:34
L85	0	("2008/0284755").URPN.	USPAT	OR	OFF	2008/11/29 12:34
L86	0	("20030052867" "6677670").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:35
L87	0	("20020067615" "20040080486" "20040238726" "4567480" "5886687" "5942733" "6054979" "6204839" "6611093"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:35
L88	0	("7176885").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:36
L89	0	("20010006006" "20020050983" "20030066692" "20030217873" "20050134574" "4317227" "4592034" "4644100" "4880665" "5059959" "5194852" "5404458" "5412189" "5591945" "5628031" "5638093" "5691959" "5717432" "5856820" "5986224" "6161434" "6167165" "6392167" "6404353" "6535147" "6549193" "6555235" "6723929" "6724373" "6738051" "6741237" "6922642" "7049960"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:36

		"7116315").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4				
L90	0	("5337151" "6392870" "6476733" "6614364" "6886263").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:36
L91	0	("2004/0090417").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:36
L92	0	("2004/0119688").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:37
L94	0	("2008/0205495").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L95	0	("2008/0126665").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L96	0	("2007/0293915").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L97	0	("2007/0247443").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L98	0	("2007/0193887").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L99	0	("2007/0128351").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L100	0	("2006/0017701").URPN.	USPAT	OR	OFF	2008/11/29 12:38
L101	0	("2005/0270273").URPN.	USPAT	OR	OFF	2008/11/29 12:38

L102	0	("2005/0218726").URPN.	USPAT	OR	OFF	2008/11/29 12:39
L103	1	("2004/0131925").URPN.	USPAT	OR	OFF	2008/11/29 12:39
L104	0	("2004/0113564").URPN.	USPAT	OR	OFF	2008/11/29 12:39
L105	0	("2003/0218670").URPN.	USPAT	OR	OFF	2008/11/29 12:39
L106	0	("2003/0139783").URPN.	USPAT	OR	OFF	2008/11/29 12:39
L107	0	("7274118").URPN.	USPAT	OR	OFF	2008/11/29 12:39
L108	189	("20010014398" "20010033952" "20010043569" "20010051300" "20020000034" "20020037756" "20020076616" "20020110733" "20020184949" "20030104590" "20030151118" "20030171984" "20040077383" "20040094949" "20050019666" "20050079418" "3419487" "4207119" "4299890" "4328262" "4333808" "4353160" "4365107" "4435445" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848" "4696671" "4730383" "4740431" "4798574" "4832463" "4862032" "5017550" "5022930" "5051274" "5064520" "5089104" "5098737" "5115378" "5126031" "5151848" "5166009" "5171413" "5180645" "5189550" "5192947" "5202196" "5202201" "5261968" "5273837" "5296122" "5314765" "5338625" "5348703" "5393572" "5411592" "5415717" "5425966" "5426561" "5433096" "5445126" "5445906" "5448110" "5449994"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40

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"5529671"	"5536333"
"5549989"	"5558953"
"5561004"	"5567210"
"5569520"	"5569564"
"5571749"	"5582623"
"5585999"	"5593551"
"5597660"	"5599644"
"5601652"	"5612152"
"5626976"	"5644207"
"5654084"	"5654111"
"5686201"	"5695873"
"5695885"	"5705293"
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"5872080"	"5914507"
"5925483"	"5932284"
"5935727"	"5953677"
"5978207"	"5981107"
"5982284")	PN. OR
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"6002208"	"6023610"
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"6103412"	"6110620"
"6130507"	"6133159"
"6136165"	"6139964"
"6147354"	"6153067"
"6163260"	"6168884"
"6175196"	"6181237"
"6181545"	"6203944"
"6220516"	"6222117"
"6236061"	"6238813"
"6264709"	"6277523"
"6280875"	"6281795"
"6294722"	"6325294"
"6327909"	"6391664"
"6399489"	"6402795"
"6402796"	"6413675"
"6432577"	"6475854"
"6558836"	"6576365"
"6576369"	"6599580"
"6608464"	"6610971"
"6626040"	"6634232"
"6645656"	"6723140"
"6741178"	"6805998"
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L111	0	("7260436").URPN.	USPAT	OR	OFF	2008/11/29 12:40
L112	5	("5777604" "6373474" "6734843" "6738048" "6753853").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40
L113	0	("7075523").URPN.	USPAT	OR	OFF	2008/11/29 12:40
L114	11	("4315133" "4554560" "4652722" "5359176" "5538764" "5837962" "5906760" "5940115" "5981901" "6037968" "6400389").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:40
L115	0	("7009633").URPN.	USPAT	OR	OFF	2008/11/29 12:41
L116	125	("20010014398" "20010051300" "20020000034" "20020037756" "20020076616" "4207119" "4299890" "4333808" "4353160" "4365107" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848" "4730383" "4740431" "4832463" "4862032" "5017550" "5022930" "5051274" "5064520" "5089104" "5098737" "5115378" "5151848" "5171413" "5180645" "5189550" "5192947" "5202196" "5261968" "5273837" "5296122" "5314765" "5338625" "5348703" "5393572" "5411592" "5425966" "5426561" "5433096" "5445126"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:41

		"5445906" "5448110" "5449994" "5455126" "5468521" "5482611" "5501175" "5501924" "5510209" "5512147" "5528222" "5529671" "5536333" "5549989" "5558953" "5561004" "5567210" "5569520" "5569564" "5571749" "5585999" "5593551" "5597660" "5599644" "5601652" "5612152" "5626976" "5644207" "5654084" "5695873" "5695885" "5705293" "5763058" "5830331" "5863337" "5868914" "5872080" "5914507" "5935727" "5953677" "5978207" "5981107" "5995006" "6002208" "6023610" "6033471" "6037717" "6042687" "6056857" "6059847" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354" "6153067" "6181237" "6181545" "6203944" "6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6294722" "6327909" "6432577" "6475854" "6558836" "6576369" "6608464" "6610971"). PN. OR ("6634232" "6741178").PN.				
L117	7	("6906436").URPN.	USPAT	OR	OFF	2008/11/29 12:41
L118	13	("20020113556" "5165053" "5548189" "5952790" "5965985" "5982111" "6002210" "6051934" "6057648" "6078143" "6175198" "6304041" "6392365"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:41
L119	1	("6815908").URPN.	USPAT	OR	OFF	2008/11/29 12:41

L120	0	("2004/0131925").URPN. and capacit\$4 same touch \$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:42
L121	0	("20010014398" "20010033952" "20010043569" "20010051300" "20020000034" "20020037756" "20020076616" "20020110733" "20020184949" "20030104590" "20030151118" "20030171984" "20040077383" "20040094949" "20050019666" "20050079418" "3419487" "4207119" "4299890" "4328262" "4333808" "4353160" "4365107" "4435445" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848" "4696671" "4730383" "4740431" "4798574" "4832463" "4862032" "5017550" "5022930" "5051274" "5064520" "5089104" "5098737" "5115378" "5126031" "5151848" "5166009" "5171413" "5180645" "5189550" "5192947" "5202196" "5202201" "5261968" "5273837" "5296122" "5314765" "5338625" "5348703" "5393572" "5411592" "5415717" "5425966" "5426561" "5433096" "5445126" "5445906" "5448110" "5449994" "5455126" "5468521" "5482611" "5494762" "5501175" "5501924" "5510209" "5512147" "5523179" "5528222"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:43

		"5529671" "5536333" "5549989" "5558953" "5561004" "5567210" "5569520" "5569564" "5571749" "5582623" "5585999" "5593551" "5597660" "5599644" "5601652" "5612152" "5626976" "5644207" "5654084" "5654111" "5686201" "5695873" "5695885" "5705293" "5714404" "5763058" "5789108" "5814420" "5830331" "5849426" "5863337" "5868914" "5872080" "5914507" "5925483" "5932284" "5935727" "5953677" "5978207" "5981107" "5982284").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4				
L122	0	("5995006" "6001715" "6002208" "6023610" "6025094" "6033471" "6037717" "6042687" "6056857" "6059847" "6077621" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354" "6153067" "6163260" "6168884" "6175196" "6181237" "6181545" "6203944" "6220516" "6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6281795" "6294722" "6325294" "6327909" "6391664" "6399489" "6402795" "6402796" "6413675" "6432577" "6475854" "6558836" "6576365" "6576369" "6599580" "6608464" "6610971" "6626040" "6634232" "6645656" "6723140" "6741178" "6805998"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:43

		"6818356" "6821348" "6866901" "6897164" "6906436" "6924164" "6982132" "6986965" "6989750" "7028547" "7118825").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4				
L123	0	("4494950" "4524774" "4697808" "4799487" "5167229" "5193540" "5324316" "5814089" "5999848" "6141588" "6164284" "6185452" "6315721" "6358202" "6564807").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:44
L124	0	("5777604" "6373474" "6734843" "6738048" "6753853").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:44
L125	0	("4315133" "4554560" "4652722" "5359176" "5538764" "5837962" "5906760" "5940115" "5981901" "6037968" "6400389").PN. and capacit \$4 same touch\$4 same pad \$4 and first same layer\$4 and (second same layer\$4 and copper same ground \$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:44

L126	0	("20010014398" "20010051300" "20020000034" "20020037756" "20020076616" "4207119" "4299890" "4333808" "4353160" "4365107" "4440108" "4481265" "4520039" "4633129" "4645726" "4684848" "4730383" "4740431" "4832463" "4862032" "5017550" "5022930" "5051274" "5064520" "5089104" "5098737" "5115378" "5151848" "5171413" "5180645" "5189550" "5192947" "5202196" "5261968" "5273837" "5296122" "5314765" "5338625" "5348703" "5393572" "5411592" "5425966" "5426561" "5433096" "5445126" "5445906" "5448110" "5449994" "5455126" "5468521" "5482611" "5501175" "5501924" "5510209" "5512147" "5528222" "5529671" "5536333" "5549989" "5558953" "5561004" "5567210" "5569520" "5569564" "5571749" "5585999" "5593551" "5597660" "5599644" "5601652" "5612152" "5626976" "5644207" "5654084" "5695873" "5695885" "5705293" "5763058" "5830331" "5863337" "5868914" "5872080" "5914507" "5935727" "5953677" "5978207" "5981107" "5995006" "6002208" "6023610" "6033471" "6037717" "6042687" "6056857" "6059847" "6078791" "6086962" "6094292" "6103412" "6110620" "6130507" "6133159" "6136165" "6139964" "6147354" "6153067" "6181237" "6181545" "6203944"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:46
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		"6222117" "6236061" "6238813" "6264709" "6277523" "6280875" "6294722" "6327909" "6432577" "6475854" "6558836" "6576369" "6608464" "6610971"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4				
L127	0	("6634232" "6741178"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:46
L128	0	("6906436").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:46
L129	0	("20020113556" "5165053" "5548189" "5952790" "5965985" "5982111" "6002210" "6051934" "6057648" "6078143" "6175198" "6304041" "6392365"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:46

L130	0	("6815908").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:47
L131	2	"4,475,235".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
L132	2	"5,953,199".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
L133	0	"4,475,235".pn. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
L134	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:49
L135	12	("3579186" "3618019" "3668313" "3699517" "3956734" "3983535" "4035769" "4126760" "4143357" "4281313" "4389711" "4394773").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:50
L136	32	("4475235").URPN.	USPAT	OR	OFF	2008/11/29 12:50

L137	18	("4441001" "4468702" "4586106" "4654746" "4745518" "4865483" "5067573" "5252952" "5448405" "5457289" "5469194" "5486847" "5543588" "5552957" "5579036" "5588760" "5668612" "5747748"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:52
L138	5	("5953199").URPN.	USPAT	OR	OFF	2008/11/29 12:52
L139	0	"4,475,235".pn. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:54
L140	0	"4,475,235".pn. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and non-conductive \$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:54
L141	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and non-conductive \$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:54
L142	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and matrix and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:55
L143	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and non- conductive\$4 same layer \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:55
L144	0	"5,953,199".pn. and capacit\$4 same touch\$4 same pad\$4 and non- conductive\$4 same cover	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:55
L145	0	"4,475,235".pn. and comb same finger	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:56

L146	0	"4,475,235".pn. and comb	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:56
L147	0	"4,475,235".pn. and finger	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 12:56
L148	0	("3579186" "3618019" "3668313" "3699517" "3956734" "3983535" "4035769" "4126760" "4143357" "4281313" "4389711" "4394773"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:57
L149	0	("4475235").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non- conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:57
L150	0	("4441001" "4468702" "4586106" "4654746" "4745518" "4865483" "5067573" "5252952" "5448405" "5457289" "5469194" "5486847" "5543588" "5552957" "5579036" "5588760" "5668612" "5747748"). PN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer\$4 and galv\$4 same isolat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/29 12:57

L151	0	("5953199").URPN. and capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4 and galv\$4 same isolat \$4	USPAT	OR	OFF	2008/11/29 12:57
L152	3	"4071785".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:16
L153	159	touch same pad same piezoelectric	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:19
L154	91	touch same pad same piezoelectric same sensor \$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:20
L155	0	touch same pad same piezoelectric same sensor \$1 same elctrode\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:20
L156	8	touch same pad same piezoelectric same sensor \$1 same electrode\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:20
L157	2	touch same pad same piezoelectric same sensor \$1 same electrode\$1 and matrix	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/29 13:58
S1	3	capacit\$4 same touch\$4 same pad\$4 and cover\$4 same galvan\$4 same isolat \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:03
S2	5	capacit\$4 same touch\$4 same pad\$4 and galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:11

S3	19	touch\$4 same pad\$4 and galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:12
S4	4	touch\$4 same pad\$4 same galvan\$4 same isolat\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:13
S5	8	touch\$4 same pad\$4 and galvan\$4 same non-conduct\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:23
S6	1	touch\$4 same pad\$4 with galvan\$4 same cover\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 15:27
S7	4	capacit\$4 same touch\$4 same pad\$4 with non-conductive\$4 same layer \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:21
S8	114	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and second same layer\$4 and non-conductive \$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:25
S9	8	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and second same layer\$4 same ground\$4 same plane and non-conductive\$4 same layer \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:26
S10	2	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and copper same ground\$4) and non-conductive\$4 same layer \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:27
S11	104	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 and ground\$4) and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:27

S12	11	capacit\$4 same touch\$4 same pad\$4 and first same layer\$4 and (second same layer\$4 same ground\$4) and non-conductive\$4 same layer\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:28
S13	456	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:29
S14	285	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:29
S15	10	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground \$4 same copper	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:30
S16	1	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground \$4 same copper and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:36
S17	1	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground \$4 and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:36
S18	140	touch\$4 same pad\$4 and row\$4 and column\$4 and ground\$4 and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:39
S19	1	touch\$4 same pad\$4 and row\$4 same column\$4 same (comb and finger\$1) and ground\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:41
S20	2	touch\$4 same pad\$4 and row\$4 same column\$4 same (comb and finger\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:41
S21	24	row\$4 same column\$4 same (comb and finger\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:42

S22	3	capacit\$6 same row\$4 same column\$4 same (comb and finger\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:44
S23	456	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:48
S24	36	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and comb and finger\$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 21:48
S25	7	capacit\$4 same touch\$4 same pad\$4 and row\$4 and column\$4 and ground \$4 same copper and comb \$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/28 22:13

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